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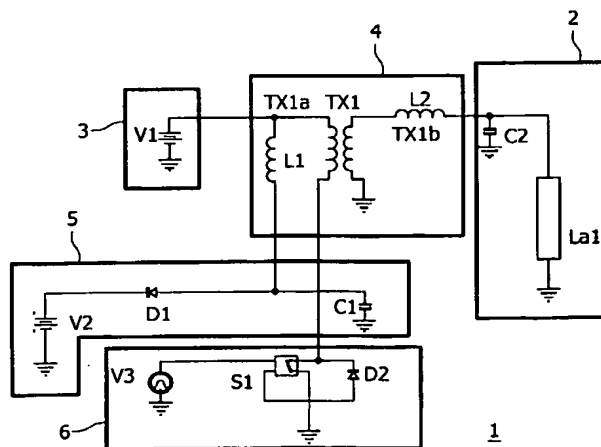
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(54) Title: **HIGH-EFFICIENCY SINGLE-ENDED FORWARD-FLYBACK ELECTRONIC DRIVER FOR BARRIER
DISCHARGE LAMPS**



(57) Abstract: An electronic circuit topology (1) for driving a predominantly capacitive load (2) with a primary circuit with several components, a secondary circuit with a predominantly capacitive load (2), and a transformer device (4) with a primary side (TX 1a) and a secondary side (TX 1b), connecting the primary circuit with the secondary circuit, the primary circuit components comprise: a source device (3), a drain device (5), and a switching device (6), the transformer device (4) is for transforming an input voltage-current-signal to a suitable output voltage-current signal for supplying the predominantly capacitive load (2), wherein the source device (3) is in serial connection with the transformer device (4), the drain device (5), and the switching device (6), whereby the transformer device (4) comprises means for functioning as a resonant tank circuit, as a transformer device (4) in forward mode, and as a transformer device (4) in flyback mode, so that an single-ended forward-flyback circuit is achieved.



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